

I need the fastest routine

Source:

<http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.language.basm/2008-07/msg00012.html>

- *From:* Clément Doss <cdoss@xxxxxxxxxx>
 - *Date:* Fri, 04 Jul 2008 18:57:27 -0300
-

Hi,

I know this is the right place. I'm a just embarrassed to post such a silly question and code. If you could shed some light, I would appreciate very much!!!

In this project, I need to find the max and min integer from an array. I came up with this code. It seems faster than the others I tried on.

```
procedure MinMaxArray( const aArray : Array of Integer; out aMax, aMin : integer );
var
  MaxArray,
  MinArray : array[boolean] of integer;
  i : integer;
begin
  aMax :=0;
  aMin :=0;
  i:=high( aArray );
  if i>=0 then begin
    MaxArray[True] := aArray[0];
    MinArray[True] := aArray[0];
    while i>0 do begin
      MaxArray[ aArray[i] > MaxArray[True] ] := aArray[i];
      MinArray[ aArray[i] < MinArray[True] ] := aArray[i];
      dec(i);
    end;
    aMax := MaxArray[True];
    aMin := MinArray[True];
  end;
end;
```

Unfortunately it's not fast enough. I need more speed. I just wanted to be sure this routine is ok, or if there's some tricks to make it faster. If you guys think is a waste of time trying to improve on this routine, then I'll try to optimize other parts of the project.

I need the fastest routine

I appreciate very much your help.

Clément

.